

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051225

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A44B11/25

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A44B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 809 409 A (VAN RIESEN REINER) 7 March 1989 (1989-03-07) claims 1-4; figures 1-5	1-12
A	DE 32 19 712 A (DAIMLER BENZ AG) 1 December 1983 (1983-12-01) page 3, line 17 - line 23; figures 1-3	1-12
A	EP 1 224 880 A (ITW ESPANA SA) 24 July 2002 (2002-07-24) column 3, line 18 - line 25; figures 1,2	1-12
A	EP 1 295 541 A (BELT & BUCKLE S R L) 26 March 2003 (2003-03-26) cited in the application	
A	DE 42 20 671 C (DAIMLER BENZ AG) 9 December 1993 (1993-12-09)	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

22 October 2004

Date of mailing of the international search report

03/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Henningsen, O

INTERNATIONAL SEARCH REPORT
information on patent family members

In nal Application No
PCT/EP2004/051225

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4809409	A	07-03-1989	DE	8706467 U1	02-07-1987
			DE	3878481 D1	25-03-1993
			EP	0289762 A1	09-11-1988
DE 3219712	A	01-12-1983	DE	3219712 A1	01-12-1983
EP 1224880	A	24-07-2002	ES	2156749 A1	01-07-2001
			AT	270507 T	15-07-2004
			DE	60012039 D1	12-08-2004
			EP	1224880 A1	24-07-2002
			US	6606770 B1	19-08-2003
			WO	0110259 A1	15-02-2001
EP 1295541	A	26-03-2003	EP	1295541 A1	26-03-2003
			JP	2003174906 A	24-06-2003
			US	2003056346 A1	27-03-2003
DE 4220671	C	09-12-1993	DE	4220671 C1	09-12-1993